

## Large and Small Circuit Breaker Distribution

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This power system is designed with both small and large output circuit-breakers. Each section of integrated distribution is front accessible for control and alarm indication. The terminal strip, for



secured screw connection, is located on the system backside. The battery circuit breaker (1), integrated for maintenance convenience, is located on the front, just left of the small load distribution bay. The circuit breaker separates the battery connection from the main rectifier and load bus when

open. The circuit breaker operates independently from the low voltage disconnect (LVD) that is part of the same battery protection circuitry in this system.

Two (2) large bulk output circuit breakers are labeled Load A & Load B. These fixed circuit breakers are sized for maximum system capacity and factory installed with positional alarm circuits.

Four (4) small load output circuit breakers are labeled numerically and support field configuration in multiple ratings between 1 to 30 amps per position.

Availability: 48V power systems

MTS48/50AT-1U-V12A

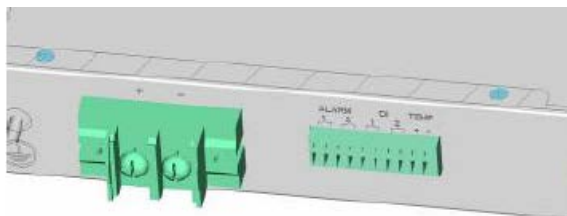
MTS48/75AT-1U-V12A

MTS48/100AT-1U-V12A

Ratings, bulk output:

Factory installed, non-changeable, load A is 100 amp, load B is 100 amp and battery is 100 amp

Ratings, small distribution: 4 positions for plug-in circuit-breaker; 1, 5, 10, 15, 20, 30 amp



Alarms and temperature probe connections are made with screw-less spring capture terminals. Use a small gauge flat-blade screwdriver in the top portal to lever the spring open, once open insert the stripped alarm wire in the lower access point, on the alarm terminal strip. Note that the temperature probe **SOLID-COLOR** wire should be placed in the POSITIVE marked position

and the color-with-stripe wire will be placed in the negative marked position.